Atelier Boonen - Asecos ION-PRO-90



Additional information

brand: Asecos

Asecos ION-PRO 90 – Safety cabinet for storing and charging lithium batteries

The Asecos ION-PRO 90 is a certified and reliable safety cabinet for the passive and active storage of lithium-ion batteries. It offers 90 minutes of fire resistance, both from the outside and the inside, tested to meet EN 14470-1, EN 1363-1, and the stringent VDMA 24994 class I/O90 specification. Ideal for workshops, charging rooms and technical environments.

The charging version (IO90.195.120.PC.WDC) has an integrated ventilation unit that prevents heat build-up during charging. Smoke and temperature sensors detect early signs of fire and activate alarms via a LED

display, with both acoustic and visual signals. The alarm can be forwarded to a building management system via volt-free contacts.

Isolated shelving prevents fire from spreading between storage levels. A three-point locking system ensures the doors stay closed during fire incidents. The integrated transport base allows for internal relocation or emergency evacuation. For added safety, an automatic fire suppression system is available as an option.

How many batteries you may store in a cabinet and what to watch for when charging is explained in our guide to the storage of hazardous substances.

See also our other safety cabinets for batteries, supplied and installed by our own team in Belgium.

- 90-minute fire resistance (outside-in), tested to EN 14470-1
- 90-minute fire resistance (inside-out), tested to EN 1363-1
- Certified according to VDMA 24994 class I/O90 (ECB·S certificate 2501/LIB25-02A)
- Maximum battery energy according to VDMA 24994: 2.085 kWh per storage level; per cabinet 6.255 kWh with 3 levels, 8.34 kWh with 4 and 10.425 kWh with 5 or 6 levels
- Maximum 15 kg per battery; do not store visibly damaged batteries in the cabinet
- CE compliant
- For passive and active storage of lithium-ion batteries
- Isolated shelving prevents fire spread between battery levels
- LED display with visual and acoustic alarm
- Smoke and temperature sensors with BMS alarm forwarding
- Integrated ventilation unit reduces heat build-up
- High-quality grounded sockets inside the fireproof compartment for PC model
- Optional automatic fire suppression system
- Volt-free alarm contacts for connection to a monitoring center
- Three-point locking system operable with one hand
- Integrated transport base for internal movement or evacuation
  Total power capacity for PC model:
  • Single-phase: 16 A / 3.68 kW
  • Three-phase: 3 × 16 A / 11.04 kW
- Number of sockets per strip: 8

Model specifications

Model	Outer dimensions (mm)	Internal dimensions (mm)	Volume (L)	Weight (kg)	Shelves
Asecos IO90.195.120.PS.WDC	H1953 W1193 D615	H1647 W1050 D503	869 L	520 kg	3
Asecos IO90.195.120.PC.WDC	H2114 W1196 D615	H1647 W1050 D503	869 L	531 kg	0